


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING					FORM 3 AMENDED REPORT <input type="checkbox"/>	
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Greater Monument Butte W-5-9-17		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT MONUMENT BUTTE		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)		
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY				7. OPERATOR PHONE 435 646-4825		
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052				9. OPERATOR E-MAIL mcrozier@newfield.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-10760		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	597 FNL 2085 FWL	NENW	8	9.0 S	17.0 E	S
Top of Uppermost Producing Zone	141 FNL 2551 FEL	NWNE	8	9.0 S	17.0 E	S
At Total Depth	35 FSL 2273 FEL	SWSE	5	9.0 S	17.0 E	S
21. COUNTY DUCHESE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 35		23. NUMBER OF ACRES IN DRILLING UNIT 20		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 731		26. PROPOSED DEPTH MD: 6122 TVD: 6122		
27. ELEVATION - GROUND LEVEL 5249		28. BOND NUMBER WYB000493		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Mandie Crozier		TITLE Regulatory Tech		PHONE 435 646-4825		
SIGNATURE		DATE 12/14/2010		EMAIL mcrozier@newfield.com		
API NUMBER ASSIGNED 43013505500000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6122		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6122	15.5			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	300		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	300	24.0			

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE W-5-9-17
AT SURFACE: NE/NW SECTION 8, T9S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1380'
Green River	1380'
Wasatch	5990'
Proposed TD	6122'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1380' – 5990'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM****a. Casing Design: Greater Monument Butte W-5-9-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950	1,370	244,000
						17.53	14.35	33.89
Prod casing 5-1/2"	0'	6,122'	15.5	J-55	LTC	4,810	4,040	217,000
						2.47	2.07	2.29

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Greater Monument Butte W-5-9-17

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,122'	Prem Lite II w/ 10% gel + 3% KCl	285 928	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

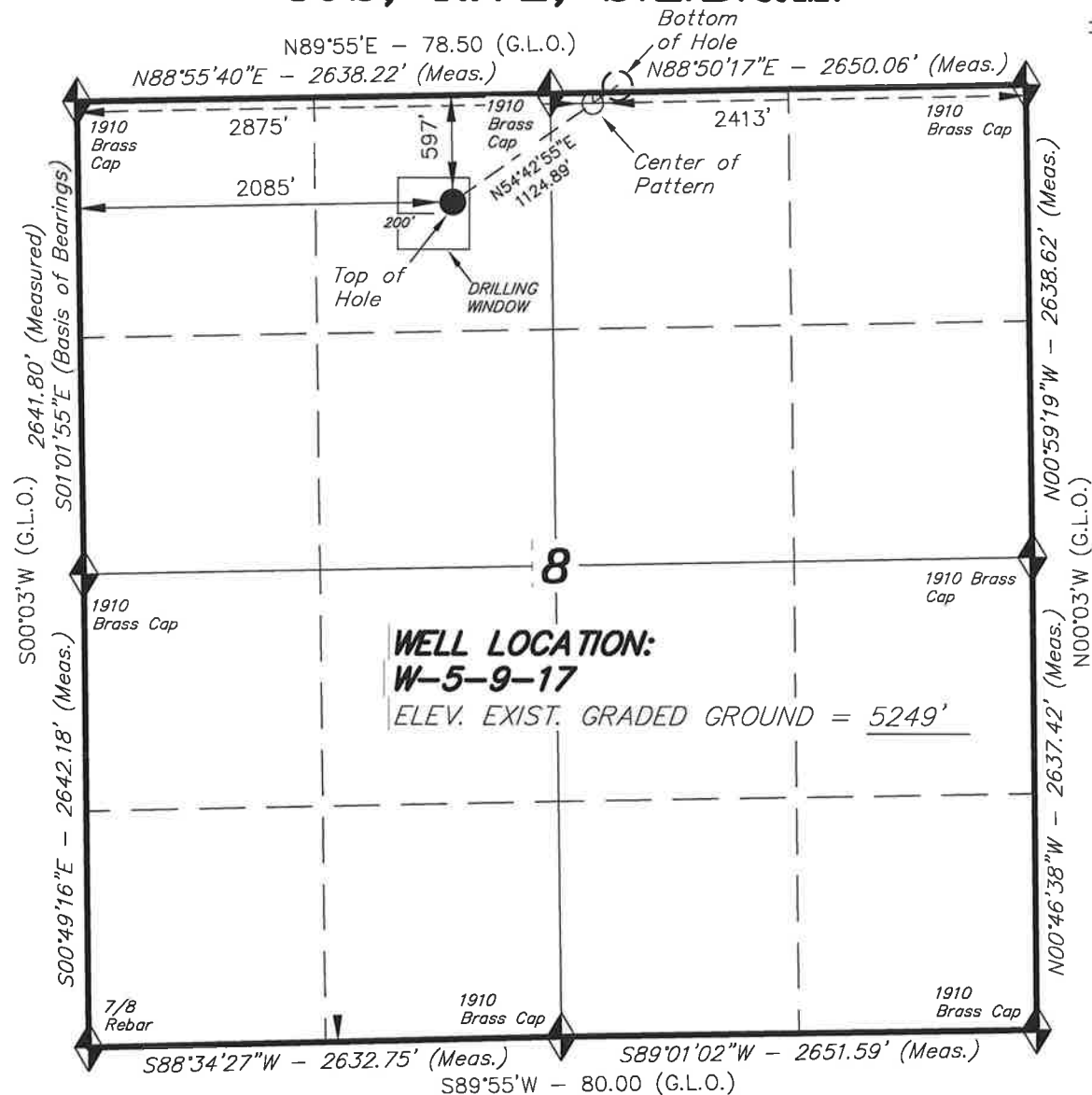
The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2011, and take approximately seven (7) days from spud to rig release.

T9S, R17E, S.L.B.&M.

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction.
 LAT. 40°04'09.56" LONG. 110°00'43.28"
 (Tristate Aluminum Cap) Elev. 5281.57'

W-5-9-17
(Surface Location) NAD 83
 LATITUDE = 40° 03' 03.68"
 LONGITUDE = 110° 01' 56.82"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, W-5-9-17, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 8, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

**Note:**

1. The center of pattern footages are 60' FNL & 2875' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

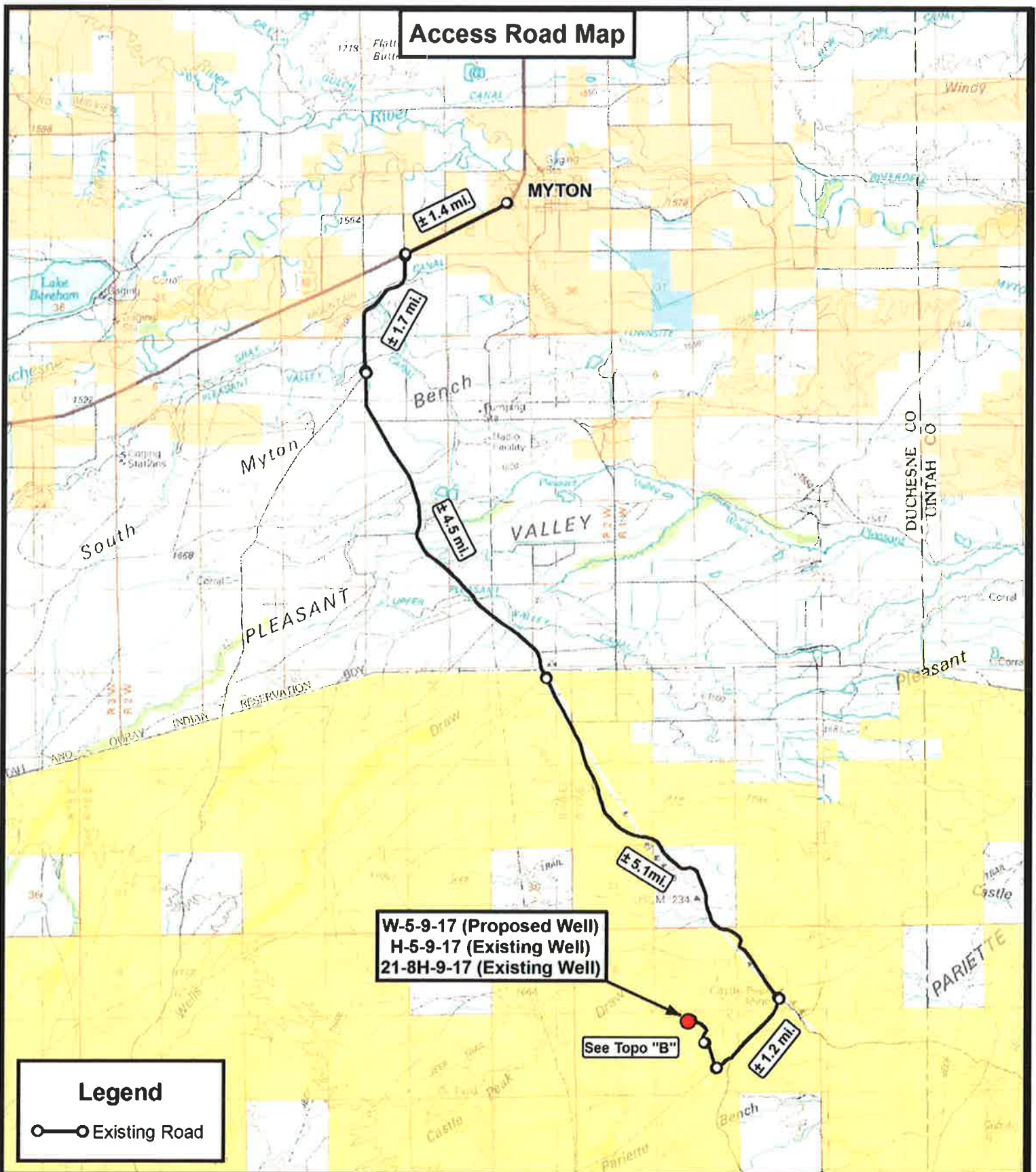
STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 07-19-10	SURVEYED BY: D.G.
DATE DRAWN: 07-26-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

Access Road Map



Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

W-5-9-17 (Proposed Well)
H-5-9-17 (Existing Well)
21-8H-9-17 (Existing Well)
SEC. 8, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: C.H.M.
DATE: 08-31-2010
SCALE: 1:100,000

TOPOGRAPHIC MAP

SHEET
A

Access Road Map

W-5-9-17 (Proposed Well)
H-5-9-17 (Existing Well)
21-8H-9-17 (Existing Well)

Myton ± 12.7 mi.

± 0.4 mi.

± 0.4 mi.

± 1.2 mi.

Legend

○ Existing Road



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SEC. 8, T9S, R17E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET

B

DRAWN BY:	C.H.M.
DATE:	08-31-2010
SCALE:	1" = 2,000'

Proposed Pipeline Map

W-5-9-17 (Proposed Well)
H-5-9-17 (Existing Well)
21-8H-9-17 (Existing Well)

Existing
Gas Pipeline

Tie in at Future
Waterline

± 1,708'

± 2,104'

Tie in at Future
Flowline

Legend

- Existing Road
- Proposed Waterline
- Proposed Flowline



**Tri State
Land Surveying, Inc.**

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NEWFIELD EXPLORATION COMPANY

W-5-9-17 (Proposed Well)

H-5-9-17 (Existing Well)

21-8H-9-17 (Existing Well)

SEC. 8, T9S, R17E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET

C

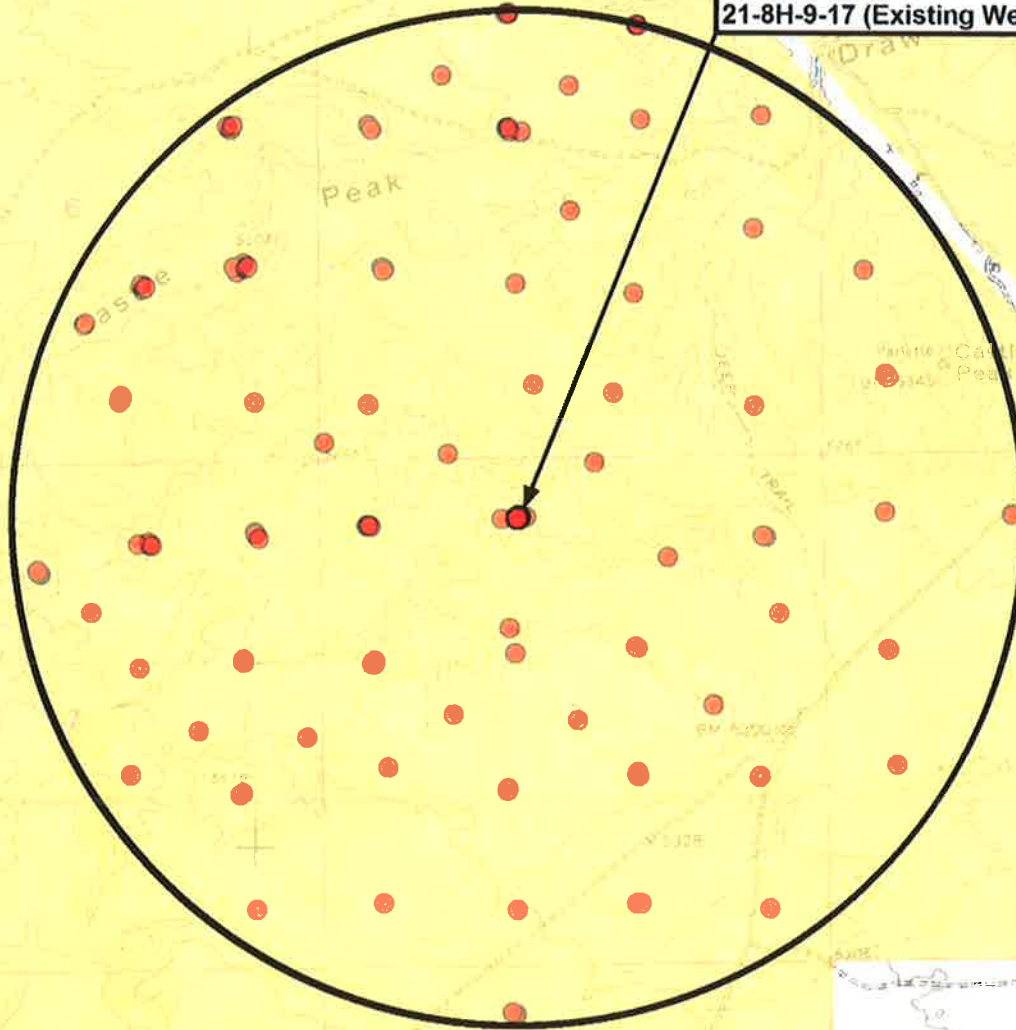
DRAWN BY: C.H.M. REVISED: 08-31-2010

DATE: 07-30-2010

SCALE: 1" = 2,000'

Exhibit "B" Map

W-5-9-17 (Proposed Well)
H-5-9-17 (Existing Well)
21-8H-9-17 (Existing Well)



Legend

- 1 Mile Radius
- Pad Location



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

W-5-9-17 (Proposed Well)
H-5-9-17 (Existing Well)
21-8H-9-17 (Existing Well)
SEC. 8, T9S, R17E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET

D

DRAWN BY:	C.H.M.
DATE:	08-31-2010
SCALE:	1" = 2,000'

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 5

W-5-9-17

Wellbore #1

Plan: Design #1

Standard Planning Report

29 July, 2010

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES



HATHAWAY BURNHAM

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well W-5-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	W-5-9-17 @ 5261.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	W-5-9-17 @ 5261.0ft (Original Well Elev)
Site:	SECTION 5	North Reference:	Grid
Well:	W-5-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 5, SEC 5 T8S, R16E		
Site Position:		Northing:	7,198,917.07 ft
From:	Lat/Long	Easting:	2,019,727.79 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 4' 30.000 N
		Longitude:	110° 8' 40.000 W
		Grid Convergence:	0.87 °

Well	W-5-9-17, SHL LAT: 40° 03' 03.68 LONG: 110° 01' 56.82		
Well Position	+N/-S	-8,238.3 ft	Northing: 7,190,678.74 ft
	+E/-W	31,478.9 ft	Easting: 2,051,206.63 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,261.0 ft
		Latitude:	40° 3' 3.680 N
		Longitude:	110° 1' 56.820 W
		Ground Level:	5,249.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/07/29	11.41	65.83	52,367

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,250.0	0.0	0.0	54.72

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,449.7	12.75	54.72	1,442.7	54.4	76.8	1.50	1.50	0.00	54.72	
5,353.2	12.75	54.72	5,250.0	551.7	779.8	0.00	0.00	0.00	0.00	W-5-9-17 TGT
6,122.1	12.75	54.72	6,000.0	649.7	918.3	0.00	0.00	0.00	0.00	

NEWFIELD



HATHAWAY BURNHAM

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well W-5-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	W-5-9-17 @ 5261.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	W-5-9-17 @ 5261.0ft (Original Well Elev)
Site:	SECTION 5	North Reference:	Grid
Well:	W-5-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	54.72	700.0	0.8	1.1	1.3	1.50	1.50	0.00
800.0	3.00	54.72	799.9	3.0	4.3	5.2	1.50	1.50	0.00
900.0	4.50	54.72	899.7	6.8	9.6	11.8	1.50	1.50	0.00
1,000.0	6.00	54.72	999.3	12.1	17.1	20.9	1.50	1.50	0.00
1,100.0	7.50	54.72	1,098.6	18.9	26.7	32.7	1.50	1.50	0.00
1,200.0	9.00	54.72	1,197.5	27.2	38.4	47.0	1.50	1.50	0.00
1,300.0	10.50	54.72	1,296.1	36.9	52.2	64.0	1.50	1.50	0.00
1,400.0	12.00	54.72	1,394.2	48.2	68.1	83.5	1.50	1.50	0.00
1,449.7	12.75	54.72	1,442.7	54.4	76.8	94.1	1.50	1.50	0.00
1,500.0	12.75	54.72	1,491.8	60.8	85.9	105.2	0.00	0.00	0.00
1,600.0	12.75	54.72	1,589.3	73.5	103.9	127.3	0.00	0.00	0.00
1,700.0	12.75	54.72	1,686.8	86.3	121.9	149.3	0.00	0.00	0.00
1,800.0	12.75	54.72	1,784.4	99.0	139.9	171.4	0.00	0.00	0.00
1,900.0	12.75	54.72	1,881.9	111.7	157.9	193.5	0.00	0.00	0.00
2,000.0	12.75	54.72	1,979.5	124.5	175.9	215.5	0.00	0.00	0.00
2,100.0	12.75	54.72	2,077.0	137.2	193.9	237.6	0.00	0.00	0.00
2,200.0	12.75	54.72	2,174.5	150.0	212.0	259.6	0.00	0.00	0.00
2,300.0	12.75	54.72	2,272.1	162.7	230.0	281.7	0.00	0.00	0.00
2,400.0	12.75	54.72	2,369.6	175.4	248.0	303.8	0.00	0.00	0.00
2,500.0	12.75	54.72	2,467.1	188.2	266.0	325.8	0.00	0.00	0.00
2,600.0	12.75	54.72	2,564.7	200.9	284.0	347.9	0.00	0.00	0.00
2,700.0	12.75	54.72	2,662.2	213.7	302.0	370.0	0.00	0.00	0.00
2,800.0	12.75	54.72	2,759.7	226.4	320.0	392.0	0.00	0.00	0.00
2,900.0	12.75	54.72	2,857.3	239.2	338.0	414.1	0.00	0.00	0.00
3,000.0	12.75	54.72	2,954.8	251.9	356.0	436.1	0.00	0.00	0.00
3,100.0	12.75	54.72	3,052.3	264.6	374.0	458.2	0.00	0.00	0.00
3,200.0	12.75	54.72	3,149.9	277.4	392.1	480.3	0.00	0.00	0.00
3,300.0	12.75	54.72	3,247.4	290.1	410.1	502.3	0.00	0.00	0.00
3,400.0	12.75	54.72	3,345.0	302.9	428.1	524.4	0.00	0.00	0.00
3,500.0	12.75	54.72	3,442.5	315.6	446.1	546.4	0.00	0.00	0.00
3,600.0	12.75	54.72	3,540.0	328.4	464.1	568.5	0.00	0.00	0.00
3,700.0	12.75	54.72	3,637.6	341.1	482.1	590.6	0.00	0.00	0.00
3,800.0	12.75	54.72	3,735.1	353.8	500.1	612.6	0.00	0.00	0.00
3,900.0	12.75	54.72	3,832.6	366.6	518.1	634.7	0.00	0.00	0.00
4,000.0	12.75	54.72	3,930.2	379.3	536.1	656.8	0.00	0.00	0.00
4,100.0	12.75	54.72	4,027.7	392.1	554.1	678.8	0.00	0.00	0.00
4,200.0	12.75	54.72	4,125.2	404.8	572.2	700.9	0.00	0.00	0.00
4,300.0	12.75	54.72	4,222.8	417.5	590.2	722.9	0.00	0.00	0.00
4,400.0	12.75	54.72	4,320.3	430.3	608.2	745.0	0.00	0.00	0.00
4,500.0	12.75	54.72	4,417.9	443.0	626.2	767.1	0.00	0.00	0.00
4,600.0	12.75	54.72	4,515.4	455.8	644.2	789.1	0.00	0.00	0.00
4,700.0	12.75	54.72	4,612.9	468.5	662.2	811.2	0.00	0.00	0.00
4,800.0	12.75	54.72	4,710.5	481.3	680.2	833.2	0.00	0.00	0.00
4,900.0	12.75	54.72	4,808.0	494.0	698.2	855.3	0.00	0.00	0.00
5,000.0	12.75	54.72	4,905.5	506.7	716.2	877.4	0.00	0.00	0.00
5,100.0	12.75	54.72	5,003.1	519.5	734.2	899.4	0.00	0.00	0.00
5,200.0	12.75	54.72	5,100.6	532.2	752.2	921.5	0.00	0.00	0.00

NEWFIELD



HATHAWAY BURNHAM

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 5
Well: W-5-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well W-5-9-17
TVD Reference: W-5-9-17 @ 5261.0ft (Original Well Elev)
MD Reference: W-5-9-17 @ 5261.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	12.75	54.72	5,198.1	545.0	770.3	943.6	0.00	0.00	0.00
5,353.2	12.75	54.72	5,250.0	551.7	779.8	955.3	0.00	0.00	0.00
W-5-9-17 TGT									
5,400.0	12.75	54.72	5,295.7	557.7	788.3	965.6	0.00	0.00	0.00
5,500.0	12.75	54.72	5,393.2	570.5	806.3	987.7	0.00	0.00	0.00
5,600.0	12.75	54.72	5,490.8	583.2	824.3	1,009.7	0.00	0.00	0.00
5,700.0	12.75	54.72	5,588.3	595.9	842.3	1,031.8	0.00	0.00	0.00
5,800.0	12.75	54.72	5,685.8	608.7	860.3	1,053.9	0.00	0.00	0.00
5,900.0	12.75	54.72	5,783.4	621.4	878.3	1,075.9	0.00	0.00	0.00
6,000.0	12.75	54.72	5,880.9	634.2	896.3	1,098.0	0.00	0.00	0.00
6,100.0	12.75	54.72	5,978.4	646.9	914.3	1,120.0	0.00	0.00	0.00
6,122.1	12.75	54.72	6,000.0	649.7	918.3	1,124.9	0.00	0.00	0.00

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
W-5-9-17 TGT	0.00	0.00	5,250.0	551.7	779.8	7,191,230.48	2,051,986.46	40° 3' 9.005 N	110° 1' 46.676 W
- plan hits target									
- Circle (radius 75.0)									



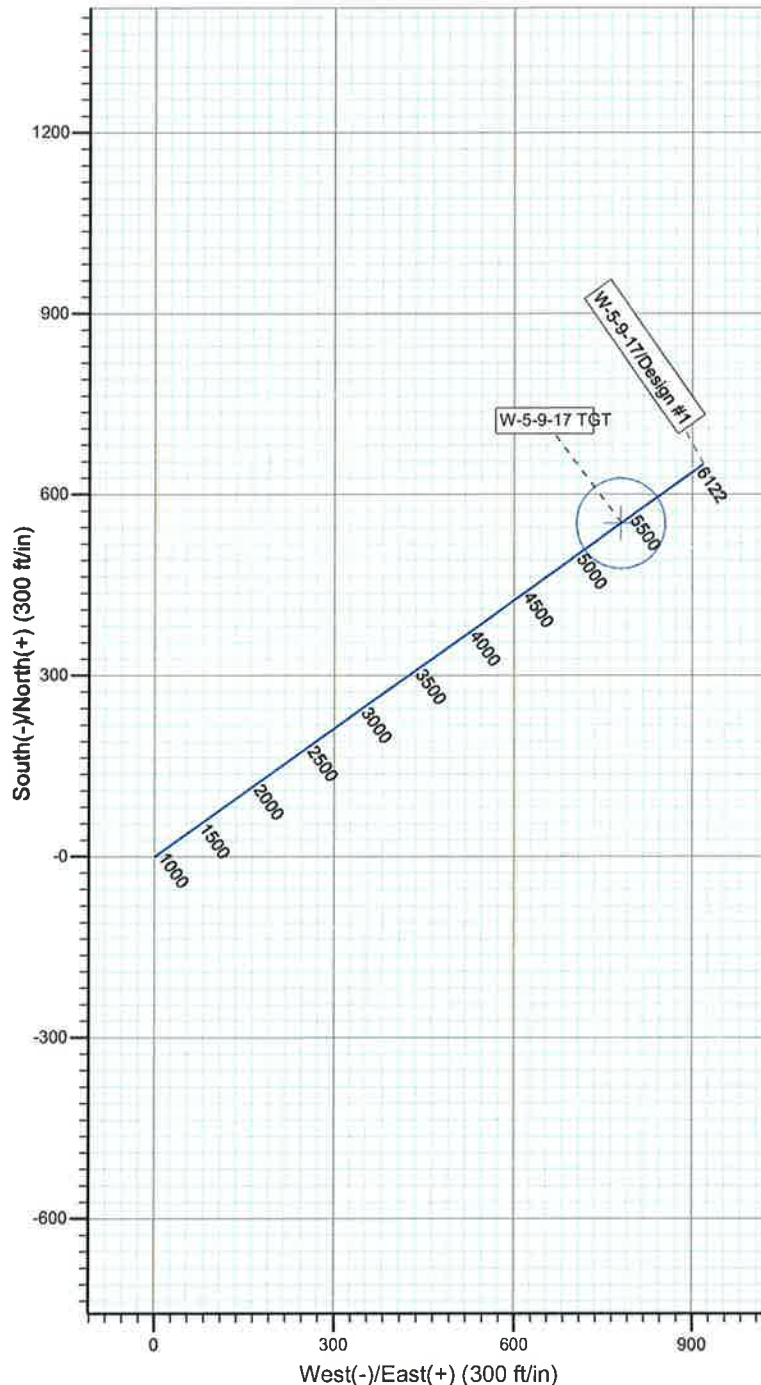
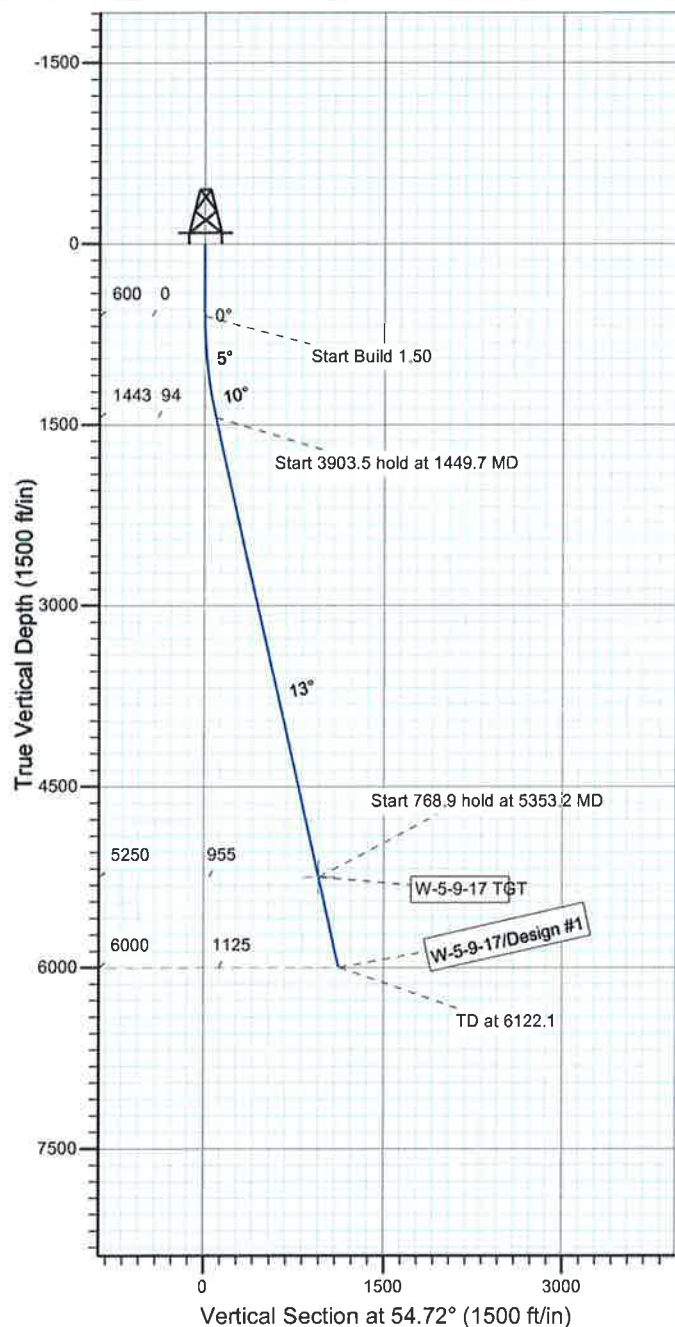
Project: USGS Myton SW (UT)
 Site: SECTION 5
 Well: W-5-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.94°
 Magnetic North: 10.47°

Magnetic Field
 Strength: 52367.0snT
 Dip Angle: 65.83°
 Date: 2010/07/29
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
W-5-9-17 TGT	5250.0	551.7	779.8	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1449.7	12.75	54.72	1442.7	54.4	76.8	1.50	54.72	94.1	
4	5353.2	12.75	54.72	5250.0	551.7	779.8	0.00	0.00	955.3	W-5-9-17 TGT
5	6122.1	12.75	54.72	6000.0	649.7	918.3	0.00	0.00	1124.9	



**NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE W-5-9-17
AT SURFACE: NE/NW SECTION 8, T9S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Monument Butte W-5-9-17 located in the NE 1/4 NW 1/4 Section 8, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly – 11.3 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly – 1.2 miles \pm to it's junction with an existing road to the northwest; proceed northwesterly – 0.8 miles \pm to the existing 21-8H-9-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 21-8H-9-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 41-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey will be forthcoming. The Paleontological Resource Survey for this area is attached. Paleontological Resource Survey prepared by, Wade E. Miller, 9/17/10. See attached report cover page, Exhibit "D".

Newfield Production Company requests 1,708' of buried water line to be granted in Lease UTU-10760.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

For a ROW plan of development, please refer to the Greater Monument Butte Green River Development SOP and as well as the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Surface Flow Line

Newfield requests 2,104' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract

trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection

The proposed Greater Monument Butte W-5-9-17 was on-sited on 11/10/10. The following were present; Tim Eaton (Newfield Production), Christine Cimiluca (Bureau of Land Management), Suzanne Grayson (Bureau of Land Management), and Janna Simonsen (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte W-5-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte W-5-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton

Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #W-5-9-17, Section 8, Township 9S, Range 17E: Lease UTU-10760 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and

conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

12/14/10
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company



December 15, 2010

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte W-5-9-17
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R17E Section 8: NENW (UTU-10760)
597' FNL 2085' FWL

Bottom Hole: T9S-R17E Section 5: SWSE (UTU-72108)
35' FSL 2273' FEL

Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 12/14/10, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

Should you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "Shane Gillespie".

Shane Gillespie
Land Associate

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

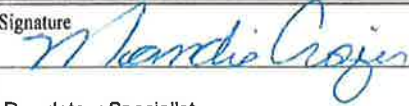
FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-10760
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Monument Butte W-5-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NE/NW 597' FNL 2085' FWL Sec. 8, T9S R17E (UTU-10760) At proposed prod. zone SW/SE 35' FSL 2273' FEL Sec. 5, T9S R17E (UTU-72108)		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 14.7 miles southeast of Myton, UT		11. Sec., T, R, M. or Blk. and Survey or Area Sec. 8, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 35' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 280.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 731'	19. Proposed Depth 6,122'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5248' GL	22. Approximate date work will start* 1st Qtr. 2011	23. Estimated duration (7) days from SPUD to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. I, must be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM. |
|---|---|

25. Signature 	Name (Printed/Typed) Mandle Crozier	Date 12/14/10
--	--	------------------

Title
Regulatory Specialist

Approved by (Signature)	Name (Printed/Typed)	Date
-------------------------	----------------------	------


Title	Office
-------	--------

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

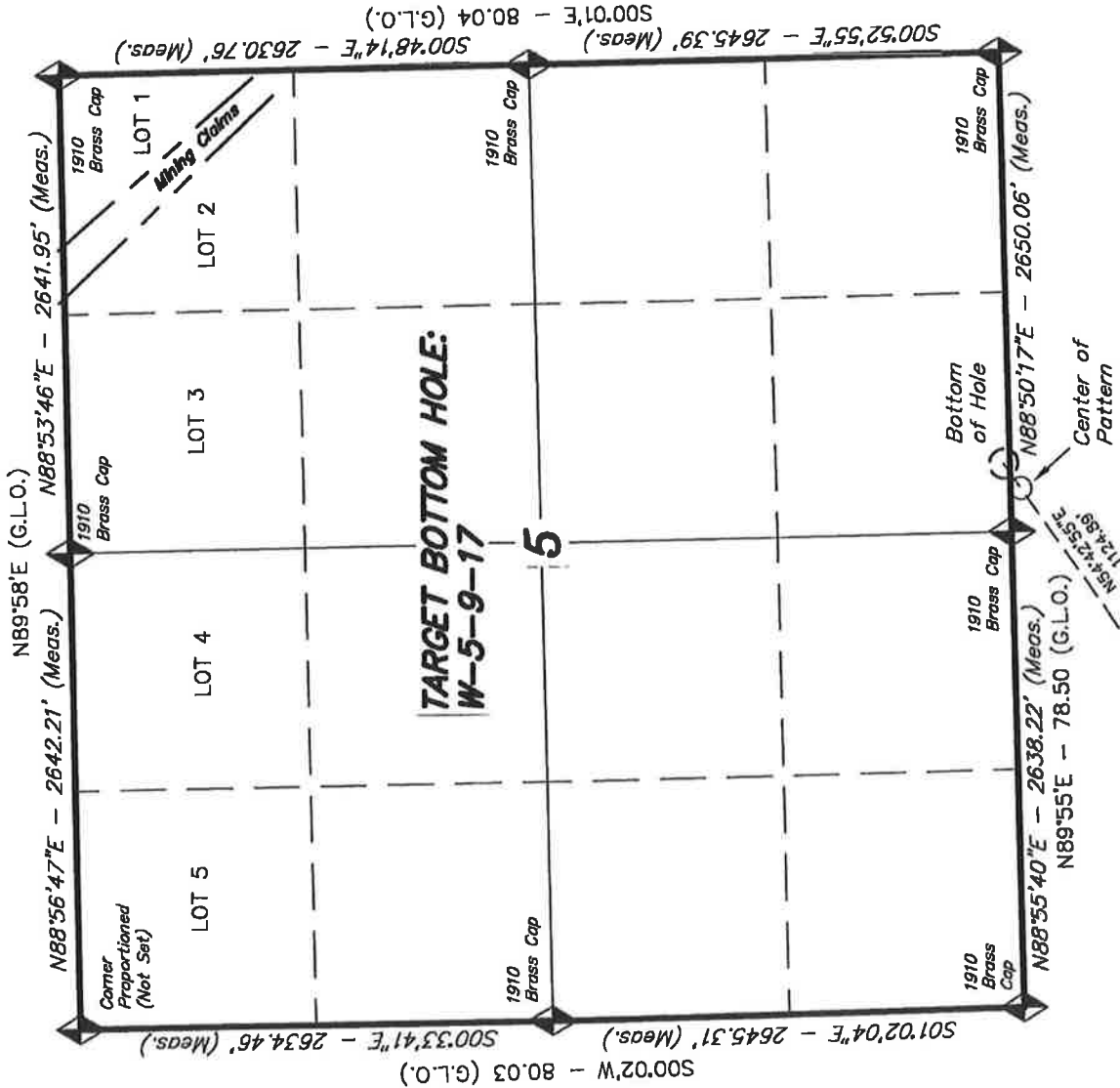
(Continued on page 2)

*(Instructions on page 2)

 = SECTION CORNERS LOCATED
BASIS OF ELEV; Elevations are base on
LOCATION: an N.G.S. OPUS Correction.
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



Note:
1. The bottom of hole footages are 35' FSL & 2273' FEL.

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. $40^{\circ}04'09.56''$ LONG. $110^{\circ}00'43.28''$ (Tristate Aluminum Cap) Elev. 5281.57'

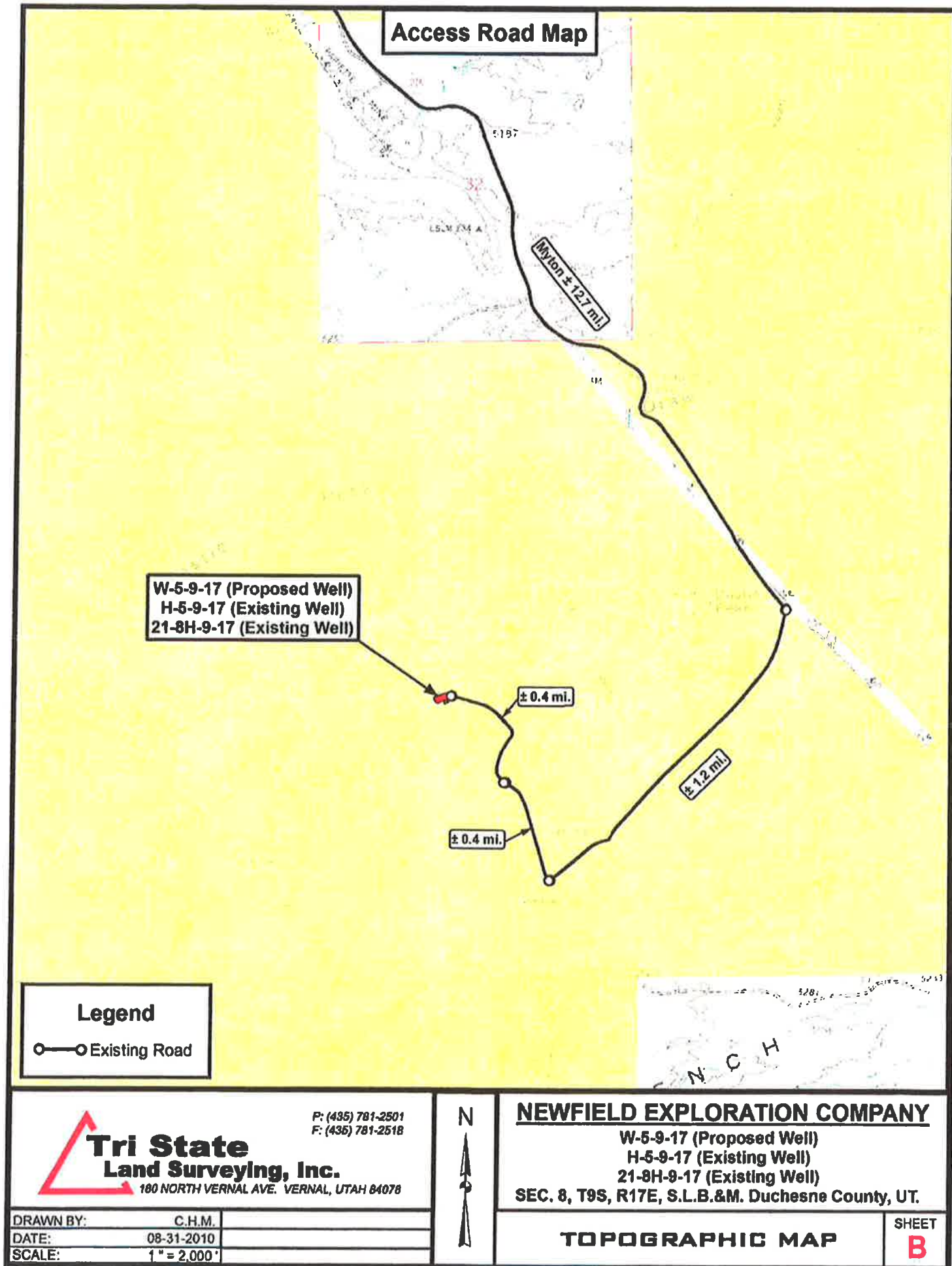
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A REAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STACY W. STEWART
REGISTERED LAND SURVEYOR
STATE OF UTAH
REGISTRATION NO. 189377

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

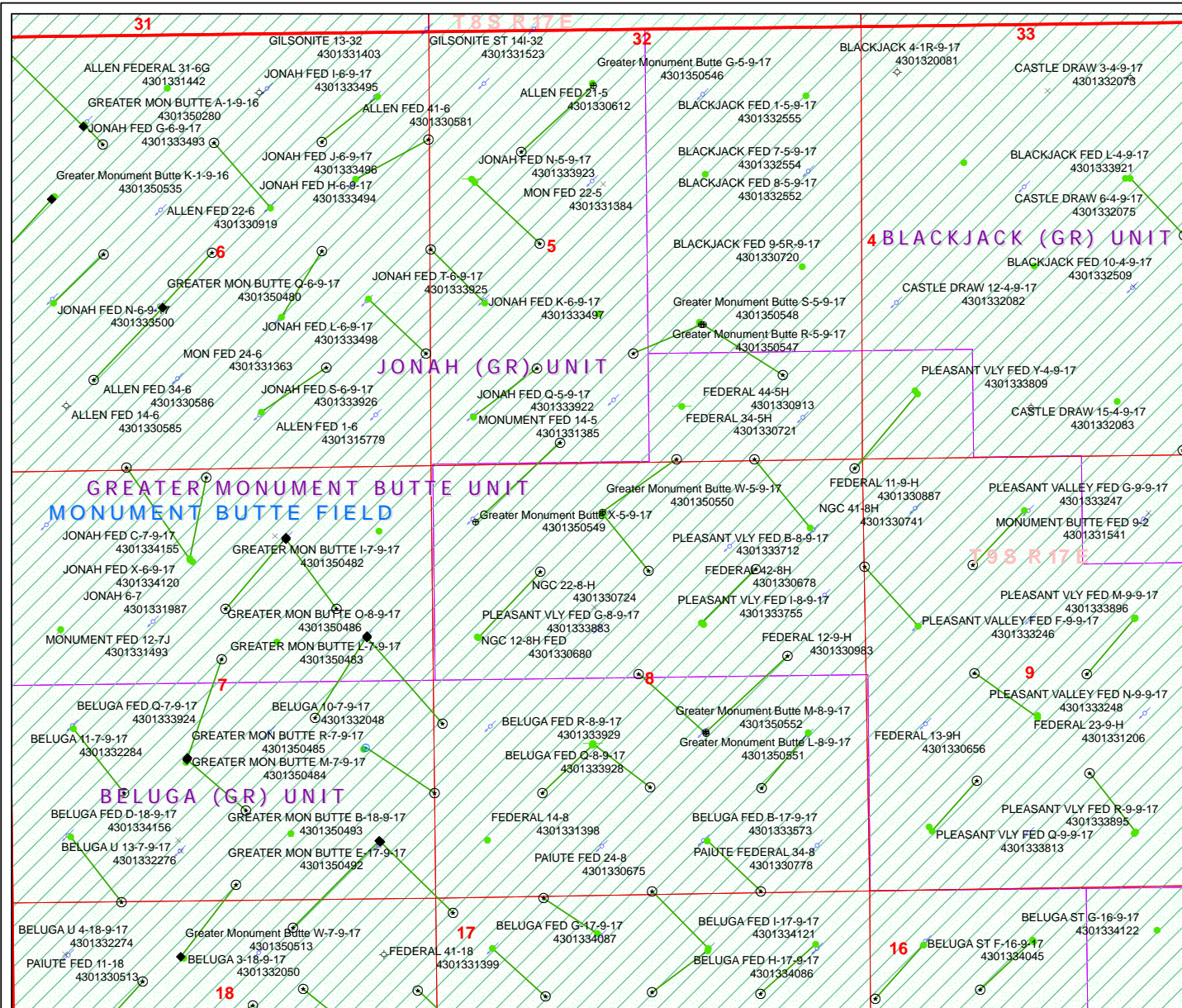
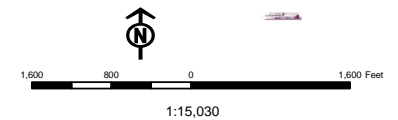
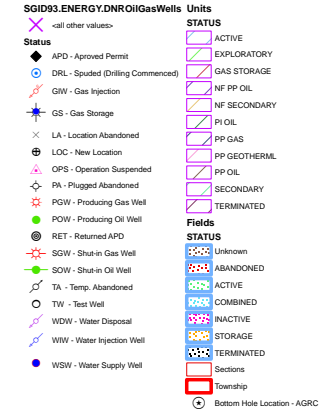
DATE SURVEYED: 07-09-10	SURVEYED BY: D.G.
DATE DRAWN: 07-27-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

◈ = SECTION CORNERS LOCATED



API Number: 4301350550
Well Name: Greater Monument Butte W-5-9-17
Township 09.0 S Range 17.0 E Section 08
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPAN

Map Prepared:
Map Produced by Diana Mason



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

December 17, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50546	GMBU G-5-9-17	Sec 05 T09S R17E 0674 FNL 2005 FWL BHL Sec 05 T09S R17E 1475 FNL 1120 FWL
43-013-50547	GMBU R-5-9-17	Sec 05 T09S R17E 1670 FSL 1960 FEL BHL Sec 05 T09S R17E 1336 FSL 2476 FWL
43-013-50548	GMBU S-5-9-17	Sec 05 T09S R17E 1666 FSL 1939 FEL BHL Sec 05 T09S R17E 1041 FSL 0972 FEL
43-013-50549	GMBU X-5-9-17	Sec 08 T09S R17E 0699 FNL 0537 FWL BHL Sec 05 T09S R17E 0257 FSL 1574 FWL
43-013-50550	GMBU W-5-9-17	Sec 08 T09S R17E 0597 FNL 2085 FWL BHL Sec 05 T09S R17E 0035 FSL 2273 FEL
43-013-50551	GMBU L-8-9-17	Sec 08 T09S R17E 1960 FSL 1974 FEL BHL Sec 08 T09S R17E 2393 FNL 0961 FEL
43-013-50552	GMBU M-8-9-17	Sec 08 T09S R17E 1940 FSL 1968 FEL BHL Sec 08 T09S R17E 2583 FNL 2494 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals,
email=Michael.Coulthard@blm.gov, c=US
Date: 2010.12.17 08:09:11 -0700

'APIWellNo:43013505500000'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:12-17-10

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/14/2010

API NO. ASSIGNED: 43013505500000

WELL NAME: Greater Monument Butte W-5-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENW 08 090S 170E

Permit Tech Review: ☒

SURFACE: 0597 FNL 2085 FWL

Engineering Review: ☐

BOTTOM: 0035 FSL 2273 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.05102

LONGITUDE: -110.03170

UTM SURF EASTINGS: 582595.00

NORTHINGS: 4433659.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-10760

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** FEDERAL - WYB000493

☐ **Potash**

☐ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** 437478

☐ **RDCC Review:**

☐ **Fee Surface Agreement**

☐ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

☐ **R649-2-3.**

Unit: GMBU (GRRV)

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Greater Monument Butte W-5-9-17
API Well Number: 43013505500000
Lease Number: UTU-10760
Surface Owner: FEDERAL
Approval Date: 12/21/2010

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10760			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GREATER MON BUTTE W-5-9-17			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0597 FNL 2085 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013505500000			
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		COUNTY: DUCHESNE			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/21/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield proposes to extend the Application for Permit to Drill this well for one year.					
<p style="color: red; font-weight: bold; margin: 0;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold; margin: 0;">Date: 12/19/2011</p> <p style="color: red; font-weight: bold; margin: 0;">By: </p>					
NAME (PLEASE PRINT) Mandie Crozier		PHONE NUMBER 435 646-4825			
SIGNATURE N/A		TITLE Regulatory Tech			
DATE 12/12/2011					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013505500000

API: 43013505500000

Well Name: GREATER MON BUTTE W-5-9-17

Location: 0597 FNL 2085 FWL QTR NENW SEC 08 TWP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/21/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 12/12/2011

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED Dec. 12, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10760
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GREATER MON BUTTE W-5-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013505500000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0597 FNL 2085 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 09.0S Range: 17.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/21/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: November 27, 2012

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 11/26/2012



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013505500000

API: 43013505500000

Well Name: GREATER MON BUTTE W-5-9-17

Location: 0597 FNL 2085 FWL QTR NENW SEC 08 TWP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/21/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
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- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 11/26/2012

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-72108
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Monument Butte W-5-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-50550
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NE/NW 597' FNL 2085' FWL Sec. 8, T9S R17E (UTU-10760) At proposed prod. zone SW/SE 35' FSL 2273' FEL Sec. 5, T9S R17E (UTU-72108)		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 14.7 miles southeast of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 8, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 35' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 280.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 731'	19. Proposed Depth 6,122'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5249' GL	22. Approximate date work will start* 1st Qtr. 2011	23. Estimated duration (7) days from SPUD to rig release
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/14/10
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed) Jerry Kenczka	Date JUN 19 2013
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

UDOGM

NOS 8-10-10

AFMSS# 105XS0333A

RECEIVED RECEIVED

DEC 15 2010

JUN 25 2013

CONDITIONS OF APPROVAL ATTACHED
NOTICE OF APPROVAL

BLM VERNAL, UTAH

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU W-5-9-17
API No: 43-013-50550

Location: NENW, Sec. 8, T9S R17E
Lease No: UTU-72108
Agreement: Greater Monument Butte

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm ut vn opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Site Specific COA's

Minerals and Paleontology

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the **Green River District (GRD) Reclamation Guidelines** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).
- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants;

4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.

- The proposed project is within 0.25 mile of burrowing owl habitat. If construction or drilling is proposed from March 1-August 31, then a nesting survey will be conducted by a qualified biologist according to protocol. If no nests are located, then permission to proceed may be granted by the BLM Authorized Officer. If a nest is located, then the timing restriction will remain in effect.
- If it is anticipated that construction or drilling will occur during Mountain plover nesting season (May 1 – June 15), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.
- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
 - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fish
 - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and

- Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
- Screen all pump intakes with 3/32-inch mesh material.
- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
Utah Division of Wildlife Resources
Northeastern Region
152 East 100 North
Vernal, UT 84078
(435) 781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.

- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO_x per horsepower-hour.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

Plants: Threatened, Endangered, Proposed, or Candidate

Discovery Stipulation: Reinitiation of Section 7 consultation with the USFWS will be sought immediately if any loss of plants or occupied habitat for Pariette cactus or Uinta Basin hookless cactus is anticipated as a result of project activities.

Paleontology

- A permitted paleontologist must be present to monitor any ground disturbing activities.

DOWNHOLE PROGRAM

CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008). The operator shall also comply with applicable laws and regulations; with lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of

the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of

Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-10760
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GREATER MON BUTTE W-5-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0597 FNL 2085 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013505500000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/21/2013	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 7/21/13 Pro Petro # 8 spud and drilled 322' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set 328.72'KB. On 7/22/13 cement w/Pro Petro w/175 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 6bbls to pit, bump plug to 700psi, BLM and State were notified of spud via email.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 25, 2013		
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 7/23/2013	

Casing / Liner Detail

Well	GMBU W-5-9-17
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Conductor, 14", 36.75#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
-------	--------	-----	-------------	----	----

17.00			13' KB		
13.00	4.00		Conductor	14.000	13.500
17.00			-		

Cement Detail						
Cement Company:						
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft ³)	Description - Slurry Class and Additives	
Stab-In-Job?					Cement To Surface?	
BHT:					0	
Initial Circulation Pressure:						
Initial Circulation Rate:						
Final Circulation Pressure:						
Final Circulation Rate:						
Displacement Fluid:						
Displacement Rate:						
Displacement Volume:						
Mud Returns:						
Centralizer Type And Placement:		Casing Weight Set On Slips:				



Casing / Liner Detail

Well	GMBU W-5-9-17
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
328.72			10' KB		
13.00	1.42		Wellhead		
14.42	267.12	6	Casing	8.625	
281.54	0.92		Float	8.625	
282.46	44.87	1	Shoe Joint	8.625	
327.33	1.39		Guide Shoe		
328.72			-		

Cement Detail						
Cement Company:		Other				
Slurry Slurry 1	# of Sacks 175	Weight (ppg) 15.8	Yield 1.17	Volume (ft³) 204.75	Description - Slurry Class and Additives Class G+2%kcl+.25#CF	
Stab-In-Job?		No			Cement To Surface?	Yes
BHT:		0			Est. Top of Cement:	0
Initial Circulation Pressure:					Plugs Bumped?	Yes
Initial Circulation Rate:					Pressure Plugs Bumped:	700
Final Circulation Pressure:					Floats Holding?	No
Final Circulation Rate:					Casing Stuck On / Off Bottom?	No
Displacement Fluid:		Seawater			Casing Reciprocated?	No
Displacement Rate:					Casing Rotated?	No
Displacement Volume:		16.2			CIP:	12:09
Mud Returns:					Casing Wt Prior To Cement:	
Centralizer Type And Placement:					Casing Weight Set On Slips:	
Middle of first, top of second and third for a total of three.						





BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro 8
Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU W-59-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 7/21/13 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 7/21/13 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro 8
Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU W-8-9-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 7/21/13 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 7/21/13 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED

JUL 19 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Capstar 329
Submitted By Walt Bowen Phone Number 970-361-3001
Well Name/Number GMBU W-5-9-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

Rig Move Notice – Move drilling rig to new location.

Date/Time 7/24/13 14:00 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 7/24/13 18:00 AM ☐ PM ☐

Remarks _____

RECEIVED

JUL 24 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Capstar 329
Submitted By Walt Bowen Phone Number 970-361-3001
Well Name/Number GMBU W-5-9-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

Rig Move Notice – Move drilling rig to new location.

Date/Time 7/24/13 14:00 AM ☐ PM ☒

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 7/24/13 18:00 AM ☐ PM ☒

Remarks _____

RECEIVED

JUL 24 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Capstar 329
Submitted By Richard Hadlock Phone Number 970-361-3001
Well Name/Number GMBU W-5-9-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

TD Notice – TD is the final drilling depth of hole.

Date/Time 7/28/2013 03:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 7/28/2013 14:00 AM ☐ PM ☒

RECEIVED

JUL 27 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Capstar 329
Submitted By Richard Hadlock Phone Number 970-361-3001
Well Name/Number GMBU W-5-9-17
Qtr/Qtr NE/NW Section 8 Township 9S Range 17E
Lease Serial Number UTU-72108
API Number 43-013-50550

TD Notice – TD is the final drilling depth of hole.

Date/Time 7/28/2013 03:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 7/28/2013 14:00 AM ☐ PM ☒

RECEIVED

JUL 27 2013

DIV. OF OIL, GAS & MINING

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Reserv., Other: _____						6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. GMBU (GRRV)																																																																																											
2. Name of Operator NEWFIELD PRODUCTION COMPANY						8. Lease Name and Well No. Greater Monument Butte W-5-9-17																																																																																											
3. Address ROUTE #3 BOX 3630 MYTON, UT 84052				3a. Phone No. (include area code) Ph: 435-646-3721		9. API Well No. 43-013-50550																																																																																											
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 597' FNL & 2085' FWL (NE/NW) Sec. 8, T9S, R17E (UTU-10760) At top prod. interval reported below 192' FNL & 2633' FEL (NW/NE) Sec. 8, T9S, R17E (UTU-10760) At total depth 43 FSL & 2296 FEL (SW/SE) Sec. 5, T9S, R17E (UTU-72108)						10. Field and Pool or Exploratory MONUMENT BUTTE 11. Sec., T., R., M., on Block and Survey or Area Sec. 8, T9S, R17E																																																																																											
14. Date Spudded 07/21/2013				15. Date T.D. Reached 07/30/2013		16. Date Completed 08/22/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.																																																																																											
18. Total Depth: MD 6135' TVD 1107'				19. Plug Back T.D.: MD 6070' TVD		20. Depth Bridge Plug Set: MD TVD																																																																																											
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)																																																																																											
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RECEIVED: Sep. 06, 2013

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (*Solid, used for fuel, vented, etc.*)**30. Summary of Porous Zones (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**31. Formation (Log) Markers
GEOLOGICAL MARKERS**

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	3661' 3854'
				GARDEN GULCH 2 POINT 3	3979' 4263'
				X MRKR Y MRKR	4491' 4525'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4654' 4890'
				B LIMESTONE MRK CASTLE PEAK	5009' 5546'
				BASAL CARBONATE WASATCH	5988' 6118'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (*please print*) Heather CalderTitle Regulatory TechnicianSignature Heather CalderDate 09/06/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 8 T9S, R17E
W-5-9-17
Wellbore #1**

Design: Actual

End of Well Report

05 August, 2013





Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well W-5-9-17
Project:	USGS Mylon SW (UT)	TVD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Site:	SECTION 8 T9S, R17E	MD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Well:	W-5-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003 21 Single User Db

Project	USGS Mylon SW (UT), DUCHESNE COUNTY, UT, USA	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 8 T9S, R17E, SEC 8 T8S, R17E		
Site Position:		Northing:	7,189,610.00 ft
From:	Lat/Long	Easting:	2,051,781.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	0.94 °
		Latitude:	40° 2' 53.026 N
		Longitude:	110° 1' 49.660 W
		Grid Convergence:	0.94 °

Well	W-5-9-17, SHL LAT: 40° 03' 03.68 LONG: 110° 01' 56.82		
Well Position		Northing:	7,190,678.72 ft
		Easting:	2,051,206.63 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,262.0 ft
		Latitude:	40° 3' 3.680 N
		Longitude:	110° 1' 56.820 W
		Ground Level:	5,249.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/29/2010	11.41	65.83	52,367

Design	Actual		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:		Depth From (TVD) (ft)	+N-S (ft)
		0.0	0.0
			+E-W (ft)
			0.0
			Direction (°)
			54.71

Survey Program	Date	8/5/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
400.0	6,135.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 8 T9S, R17E
Well: W-5-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well W-5-9-17
TVD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
MD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	400.0	0.70	10.70	400.0	1.8	2.4	0.5	0.18	0.18	0.00
	430.0	0.80	16.90	430.0	2.1	2.8	0.5	0.43	0.33	20.67
	460.0	0.70	16.70	460.0	2.4	3.2	0.7	0.33	-0.33	-0.67
	490.0	0.70	16.00	490.0	2.7	3.5	0.8	0.03	0.00	-2.33
	520.0	0.80	19.10	520.0	3.0	3.9	0.9	0.36	0.33	10.33
	550.0	0.80	17.20	550.0	3.3	4.3	1.0	0.09	0.00	-6.33
	580.0	0.90	21.20	580.0	3.7	4.7	1.2	0.39	0.33	13.33
	610.0	0.90	31.40	610.0	4.1	5.1	1.4	0.53	0.00	34.00
	640.0	1.10	38.20	640.0	4.6	5.5	1.7	0.77	0.67	22.67
	671.0	1.40	52.40	671.0	5.2	6.0	2.2	1.38	0.97	45.81
	701.0	1.80	57.30	700.9	6.1	6.5	2.8	1.41	1.33	16.33
	732.0	2.10	55.40	731.9	7.1	7.1	3.7	0.99	0.97	-6.13
	762.0	2.50	53.80	761.9	8.3	7.8	4.7	1.35	1.33	-5.33
	793.0	3.00	51.00	792.9	9.8	8.7	5.9	1.67	1.61	-9.03
	824.0	3.50	50.50	823.8	11.6	9.8	7.2	1.62	1.61	-1.61
	854.0	3.90	51.00	853.8	13.5	11.0	8.7	1.34	1.33	1.67
	884.0	4.30	51.40	883.7	15.6	12.4	10.4	1.34	1.33	1.33
	914.0	4.80	52.10	913.6	18.0	13.8	12.3	1.68	1.67	2.33
	946.0	5.40	53.60	945.5	20.9	15.6	14.5	1.92	1.88	4.69
	977.0	5.80	55.40	976.3	23.9	17.3	17.0	1.41	1.29	5.81
	1,008.0	6.20	56.10	1,007.1	27.1	19.1	19.7	1.31	1.29	2.26
	1,038.0	6.60	56.40	1,037.0	30.5	21.0	22.5	1.34	1.33	1.00
	1,069.0	7.10	56.10	1,067.7	34.2	23.0	25.5	1.62	1.61	-0.97
	1,113.0	7.90	56.80	1,111.4	39.9	26.2	30.3	1.83	1.82	1.59
	1,157.0	8.50	56.90	1,154.9	46.2	29.6	35.6	1.36	1.36	0.23
	1,201.0	9.00	57.20	1,198.4	52.9	33.3	41.2	1.14	1.14	0.68



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well W-5-9-17
Project:	USGS Mylon SW (UT)	TVD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Site:	SECTION 8 T9S, R17E	MD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Well:	W-5-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	1,244.0	9.50	56.70	1,240.8	59.8	37.1	47.0	1.18	1.16	-1.16
	1,288.0	10.20	56.00	1,284.2	67.3	41.2	53.3	1.61	1.59	-1.59
	1,332.0	10.70	56.10	1,327.5	75.3	45.7	59.9	1.14	1.14	0.23
	1,375.0	11.30	56.70	1,369.7	83.5	50.2	66.7	1.42	1.40	1.40
	1,418.0	11.80	57.00	1,411.8	92.1	54.9	73.9	1.17	1.16	0.70
	1,462.0	12.60	57.00	1,454.8	101.4	60.0	81.7	1.82	1.82	0.00
	1,506.0	13.10	56.00	1,497.7	111.1	65.4	89.9	1.24	1.14	-2.27
	1,550.0	12.80	54.80	1,540.6	121.0	71.0	98.0	0.92	-0.68	-2.73
	1,593.0	12.80	54.70	1,582.5	130.5	76.5	105.8	0.05	0.00	-0.23
	1,637.0	13.00	54.10	1,625.4	140.4	82.2	113.8	0.55	0.45	-1.36
	1,681.0	12.80	53.80	1,668.3	150.2	88.0	121.7	0.48	-0.45	-0.68
	1,725.0	12.50	52.50	1,711.2	159.8	93.8	129.4	0.94	-0.68	-2.95
	1,769.0	12.30	51.00	1,754.2	169.2	99.6	136.8	0.86	-0.45	-3.41
	1,812.0	12.00	50.30	1,796.2	178.3	105.4	143.8	0.78	-0.70	-1.63
	1,856.0	11.70	49.80	1,839.3	187.3	111.2	150.8	0.72	-0.68	-1.14
	1,900.0	11.70	49.60	1,882.4	196.2	116.9	157.6	0.09	0.00	-0.45
	1,944.0	11.90	50.10	1,925.4	205.1	122.7	164.4	0.51	0.45	1.14
	1,988.0	11.80	49.60	1,968.5	214.1	128.6	171.3	0.33	-0.23	-1.14
	2,031.0	11.70	51.30	2,010.6	222.9	134.1	178.1	0.84	-0.23	3.95
	2,075.0	12.30	53.60	2,053.6	232.0	139.7	185.4	1.74	1.36	5.23
	2,119.0	12.40	54.30	2,096.6	241.4	145.2	193.0	0.41	0.23	1.59
	2,162.0	12.30	54.50	2,138.6	250.8	150.6	200.4	0.25	-0.23	0.47
	2,206.0	13.00	55.60	2,181.6	260.2	156.1	208.3	1.68	1.59	2.50
	2,250.0	13.50	57.70	2,224.4	270.3	161.7	216.8	1.58	1.14	4.77
	2,294.0	13.30	57.20	2,267.2	280.5	167.1	225.4	0.53	-0.45	-1.14
	2,337.0	13.50	56.90	2,309.0	290.5	172.6	233.7	0.49	0.47	-0.70
	2,381.0	13.40	57.20	2,351.8	300.7	178.1	242.3	0.28	-0.23	0.68



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well W-5-9-17
Project:	USGS Mylon SW (UT)	TVD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Site:	SECTION 8 T9S, R17E	MD Reference:	W-5-9-17 @ 5262.0ft (Capstar 329)
Well:	W-5-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	2,425.0	13.10	56.20	2,394.6	310.8	183.7	250.7	0.86	-0.68	-2.27
	2,469.0	12.80	56.50	2,437.5	320.6	189.1	258.9	0.70	-0.68	0.68
	2,513.0	12.60	55.60	2,480.5	330.3	194.5	267.0	0.64	-0.45	-2.05
	2,556.0	12.50	53.60	2,522.4	339.6	199.9	274.6	1.04	-0.23	-4.65
	2,600.0	12.60	53.60	2,565.4	349.2	205.6	282.3	0.23	0.23	0.00
	2,643.0	12.90	53.40	2,607.3	358.7	211.3	289.9	0.71	0.70	-0.47
	2,686.0	13.50	54.30	2,649.2	368.5	217.1	297.8	1.47	1.40	2.09
	2,730.0	14.00	57.30	2,691.9	379.0	222.9	306.5	1.98	1.14	6.82
	2,774.0	14.40	58.90	2,734.6	389.7	228.6	315.7	1.27	0.91	3.64
	2,818.0	14.90	59.30	2,777.1	400.8	234.3	325.2	1.16	1.14	0.91
	2,861.0	14.20	58.20	2,818.8	411.6	239.9	334.4	1.75	-1.63	-2.56
	2,904.0	13.80	57.70	2,860.5	422.0	245.5	343.3	0.97	-0.93	-1.16
	2,949.0	14.20	56.80	2,904.2	432.9	251.4	352.4	1.01	0.89	-2.00
	2,992.0	14.00	56.90	2,945.9	443.3	257.1	361.2	0.47	-0.47	0.23
	3,036.0	12.70	57.10	2,988.7	453.5	262.6	369.7	2.96	-2.95	0.45
	3,080.0	12.30	56.10	3,031.6	463.0	267.9	377.7	1.03	-0.91	-2.27
	3,123.0	13.00	54.60	3,073.6	472.4	273.2	385.4	1.80	1.63	-3.49
	3,167.0	13.40	52.90	3,116.4	482.5	279.2	393.5	1.27	0.91	-3.86
	3,209.0	13.50	52.30	3,157.3	492.2	285.1	401.3	0.41	0.24	-1.43
	3,253.0	12.90	51.30	3,200.1	502.3	291.3	409.2	1.46	-1.36	-2.27
	3,296.0	12.70	51.30	3,242.0	511.8	297.3	416.6	0.47	-0.47	0.00
	3,339.0	13.20	53.60	3,283.9	521.4	303.1	424.2	1.67	1.16	5.35
	3,383.0	13.80	54.40	3,326.7	531.7	309.2	432.5	1.43	1.36	1.82
	3,427.0	14.00	55.80	3,369.4	542.2	315.2	441.2	0.89	0.45	3.18
	3,471.0	13.90	54.50	3,412.1	552.8	321.3	449.9	0.75	-0.23	-2.95
	3,515.0	13.90	53.70	3,454.8	563.4	327.5	458.5	0.44	0.00	-1.82
	3,558.0	13.30	52.90	3,496.6	573.5	333.5	466.6	1.46	-1.40	-1.86



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 8 T9S, R17E
Well: W-5-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
MD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	3,602.0	13.30	52.10	3,539.5	583.6	339.7	474.6	0.42	0.00	-1.82
	3,646.0	13.40	52.70	3,582.3	593.8	345.9	482.7	0.39	0.23	1.36
	3,690.0	12.70	52.40	3,625.1	603.7	351.9	490.6	1.60	-1.59	-0.68
	3,732.0	12.60	53.80	3,666.1	612.9	357.4	497.9	0.77	-0.24	3.33
	3,776.0	12.70	55.80	3,709.0	622.5	363.0	505.8	1.02	0.23	4.55
	3,820.0	12.50	58.50	3,752.0	632.1	368.2	513.8	1.41	-0.45	6.14
	3,863.0	12.70	57.80	3,794.0	641.5	373.1	521.8	0.59	0.47	-1.63
	3,907.0	12.80	55.70	3,836.9	651.2	378.5	529.9	1.08	0.23	-4.77
	3,950.0	13.30	56.50	3,878.8	660.9	383.9	538.0	1.24	1.16	1.86
	3,994.0	13.20	57.40	3,921.6	671.0	389.4	546.4	0.52	-0.23	2.05
	4,038.0	12.90	56.90	3,964.5	680.9	394.8	554.8	0.73	-0.68	-1.14
	4,082.0	12.00	55.60	4,007.4	690.4	400.0	562.7	2.14	-2.05	-2.95
	4,126.0	11.50	55.30	4,050.5	699.3	405.1	570.1	1.14	-1.14	-0.68
	4,170.0	11.20	53.90	4,093.6	708.0	410.1	577.1	0.93	-0.68	-3.18
	4,213.0	11.20	54.10	4,135.8	716.3	415.0	583.9	0.09	0.00	0.47
	4,257.0	10.90	53.00	4,179.0	724.8	420.0	590.7	0.83	-0.68	-2.50
	4,300.0	10.30	53.60	4,221.3	732.7	424.8	597.0	1.42	-1.40	1.40
	4,343.0	9.30	52.80	4,263.6	740.0	429.2	602.9	2.35	-2.33	-1.86
	4,386.0	9.10	53.60	4,306.1	746.9	433.3	608.4	0.55	-0.47	1.86
	4,430.0	9.10	50.10	4,349.5	753.8	437.6	613.8	1.26	0.00	-7.95
	4,474.0	9.60	50.00	4,392.9	760.9	442.2	619.3	1.14	1.14	-0.23
	4,517.0	10.00	51.00	4,435.3	768.2	446.8	625.0	1.01	0.93	2.33
	4,561.0	10.00	53.70	4,478.7	775.9	451.5	631.0	1.07	0.00	6.14
	4,604.0	10.30	55.40	4,521.0	783.5	455.9	637.2	0.99	0.70	3.95
	4,648.0	10.30	56.80	4,564.3	791.3	460.3	643.7	0.57	0.00	3.18
	4,692.0	10.60	57.90	4,607.5	799.3	464.6	650.4	0.82	0.68	2.50
	4,736.0	10.90	57.30	4,650.8	807.5	469.0	657.4	0.73	0.68	-1.36



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 8 T9S, R17E
Well: W-5-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well W-5-9-17
MD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
North Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,779.0	11.00	55.30	4,693.0	815.7	473.5	664.2	0.91	0.23	-4.65
	4,822.0	11.10	55.40	4,735.2	823.9	478.2	670.9	0.24	0.23	0.23
	4,865.0	11.30	54.70	4,777.4	832.2	483.0	677.8	0.56	0.47	-1.63
	4,909.0	11.10	53.00	4,820.5	840.8	488.0	684.7	0.88	-0.45	-3.86
	4,953.0	10.90	53.80	4,863.7	849.2	493.0	691.4	0.57	-0.45	1.82
	4,996.0	10.90	57.30	4,905.9	857.3	497.6	698.1	1.54	0.00	8.14
	5,039.0	10.80	59.30	4,948.2	865.4	501.9	705.0	0.91	-0.23	4.65
	5,082.0	10.80	57.70	4,990.4	873.4	506.1	711.9	0.70	0.00	-3.72
	5,124.0	11.60	56.30	5,031.6	881.6	510.5	718.7	2.01	1.90	-3.33
	5,167.0	11.80	53.50	5,073.7	890.3	515.5	725.8	1.40	0.47	-6.51
	5,210.0	12.00	52.80	5,115.8	899.2	520.9	732.9	0.57	0.47	-1.63
	5,253.0	12.10	49.40	5,157.9	908.1	526.5	739.9	1.67	0.23	-7.91
	5,296.0	12.40	50.20	5,199.9	917.2	532.4	746.9	0.80	0.70	1.86
	5,340.0	13.20	52.00	5,242.8	926.9	538.5	754.5	2.03	1.82	4.09
	5,353.6	13.38	52.70	5,256.0	930.1	540.4	757.0	1.79	1.35	5.15
W-5-9-17 TGT										
	5,384.0	13.80	54.20	5,285.6	937.2	544.7	762.7	1.79	1.37	4.93
	5,427.0	15.70	55.40	5,327.1	948.1	551.0	771.6	4.48	4.42	2.79
	5,471.0	16.10	55.80	5,369.5	960.2	557.8	781.6	0.94	0.91	0.91
	5,514.0	14.50	56.70	5,410.9	971.5	564.1	791.0	3.76	-3.72	2.09
	5,558.0	13.40	55.90	5,453.6	982.1	570.0	799.8	2.54	-2.50	-1.82
	5,602.0	14.10	54.70	5,496.4	992.6	575.9	808.4	1.72	1.59	-2.73
	5,646.0	14.20	54.50	5,539.0	1,003.4	582.1	817.2	0.25	0.23	-0.45
	5,689.0	13.60	54.20	5,580.8	1,013.7	588.2	825.6	1.41	-1.40	-0.70
	5,732.0	13.70	53.10	5,622.6	1,023.8	594.2	833.8	0.65	0.23	-2.56
	5,776.0	14.00	55.00	5,665.3	1,034.4	600.4	842.3	1.24	0.68	4.32
	5,820.0	13.80	54.60	5,708.0	1,044.9	606.5	850.9	0.50	-0.45	-0.91



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
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Well: W-5-9-17
Wellbore: Wellbore #1
Design: Actual

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MD Reference: W-5-9-17 @ 5262.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	5,864.0	13.40	55.70	5,750.8	1,055.3	612.4	859.4	1.08	-0.91	2.50
	5,908.0	12.70	58.00	5,793.6	1,065.2	617.8	867.7	1.98	-1.59	5.23
	5,951.0	11.70	56.90	5,835.7	1,074.3	622.7	875.4	2.39	-2.33	-2.56
	5,995.0	10.80	56.80	5,878.8	1,082.9	627.4	882.6	2.05	-2.05	-0.23
	6,039.0	10.10	57.20	5,922.1	1,090.8	631.7	889.3	1.60	-1.59	0.91
	6,081.0	9.70	58.30	5,963.5	1,098.0	635.6	895.4	1.05	-0.95	2.62
	6,135.0	9.20	59.70	6,016.7	1,106.9	640.2	903.0	1.02	-0.93	2.59

Checked By: _____

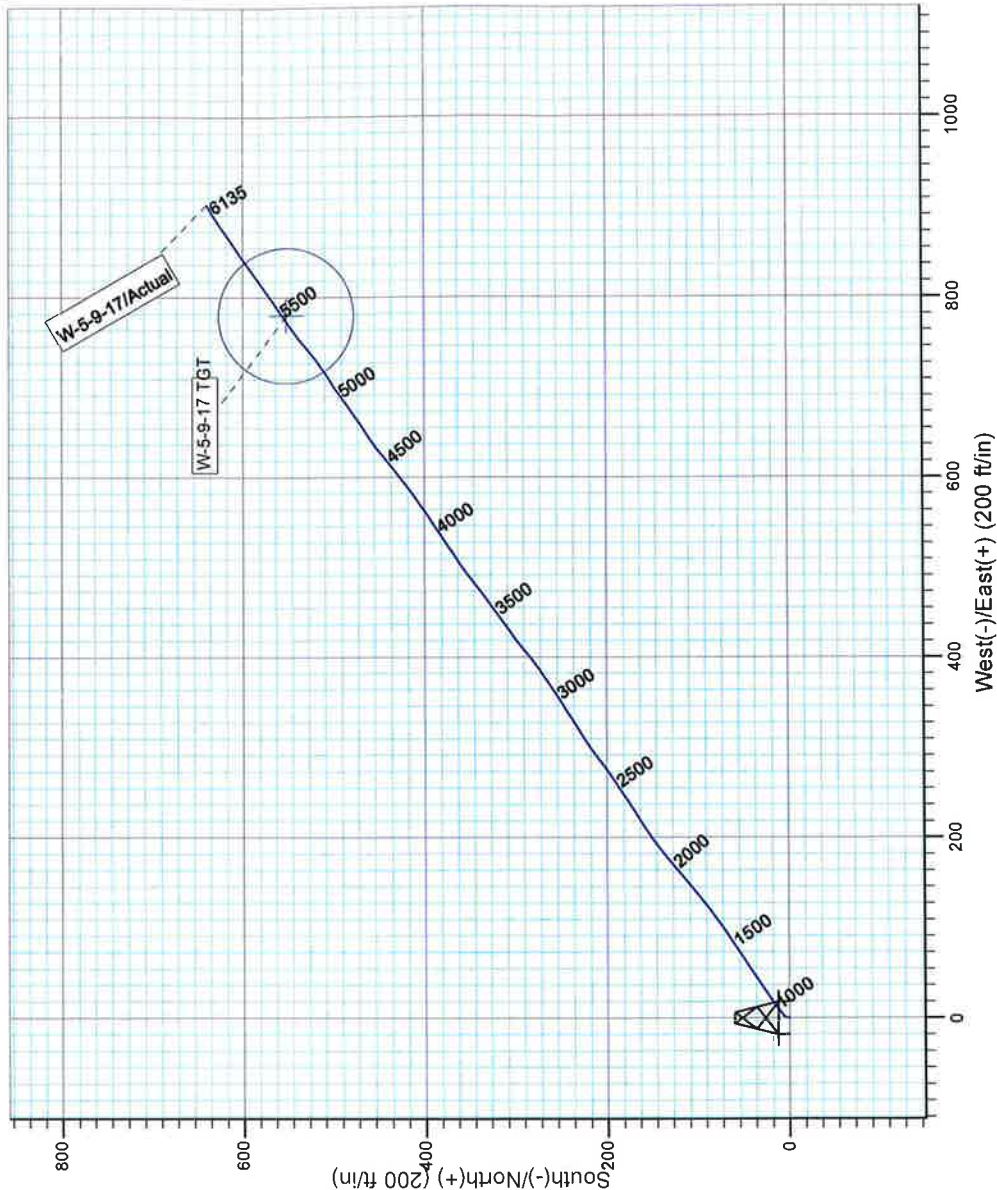
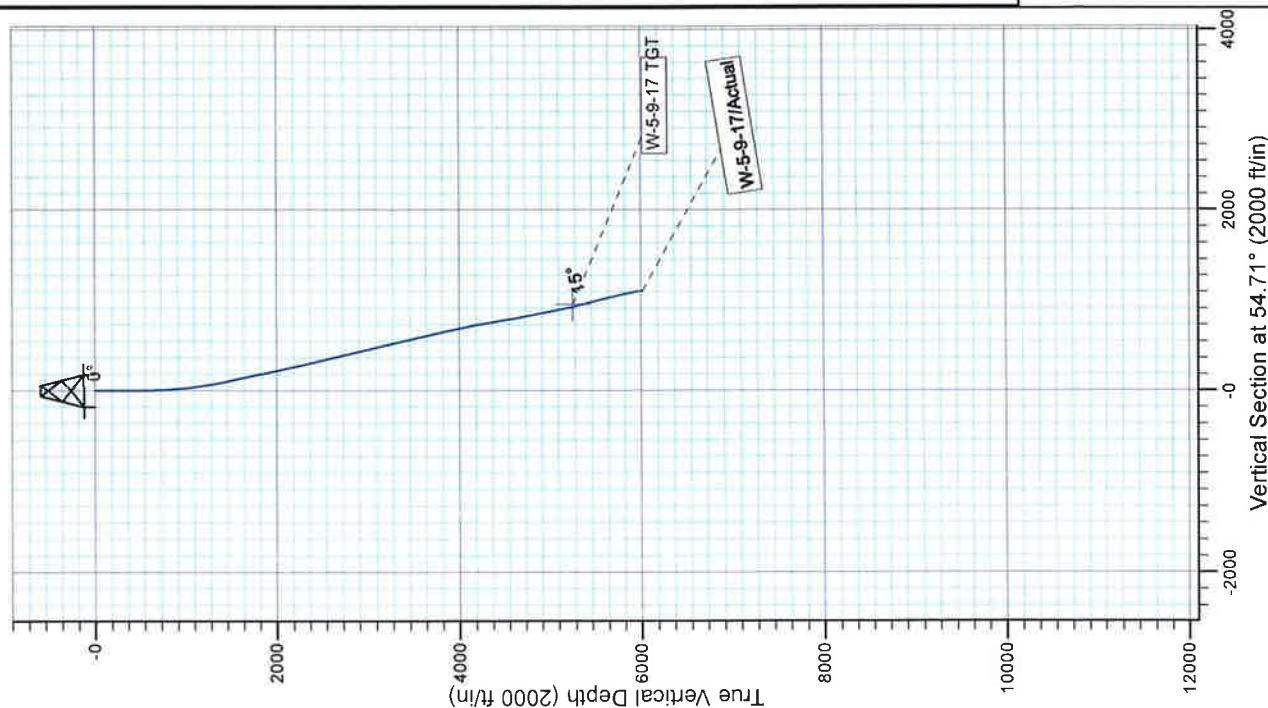
Approved By: _____

Date: _____



Project: USGS Myton SW (UT)
 Site: SECTION 8 T9S, R17E
 Well: W-5-9-17
 Wellbore: Wellbore #1
 Design: Actual

Azimuths to True North
 Magnetic North: 11.41°
 Magnetic Field
 Strength: 52367.0snT
 Dip Angle: 65.83°
 Date: 7/29/2010
 Model: GRF2010



Design: Actual (W-5-9-17/Wellbore #1)

Created By: Sarah Webb Date: 18:42, August 05 2013

THIS SURVEY IS CORRECT TO THE BEST OF
 MY KNOWLEDGE AND IS SUPPORTED
 BY ACTUAL FIELD DATA

Daily Activity Report**Format For Sundry****GMBU W-5-9-17****6/1/2013 To 10/30/2013****8/15/2013 Day: 1****Completion**

Rigless on 8/15/2013 - Run CBL, Estimated cement top @ surf, Test frac stack & CSG, RIH & perforate 1st stg. - Hold pre-job safety meeting - RU Perforators wireline, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf), RIH 1000' & test pack off to 800 psi, Continue in hole & perforate CP-Half @ 5590'-92' & 5574'-76', POOH & RD wireline, SWI - RU Perforators wireline, MU & RIH w/ bond log tools, Tag @ 6063', PBTD @ 6070', Log well w/ 0 psi, Log well to surface & find estimated cement top @ surface, Log short joint @ 3702'-19', LD logging tools, SWI - RU S&S test unit, Test hyd chambers on single blinds, Test CSG & frac valve to 250 psi 5-min low & 4300 psi 30-min high, Test Knight single blinds to 250 psi 5-min low & 4300 psi 10-min high, All tests good.

Daily Cost: \$0**Cumulative Cost:** \$20,195**8/17/2013 Day: 2****Completion**

Rigless on 8/17/2013 - RU HES & frac 4 of 4 stgs, Flowback well & recover 650 bbls (1328 bbls left to recover), Turn to oil & gas, RU Perforators wireline & set kill plug @ 4050', Bleed off & monitor well for 30-min, Well dead. - (Stg #3)(17# Delta 140), Press test lines to 4800 psi, Open well w/ 1550 psi, Break down C-Sand formation @ 1904 psi w/ 4.2 bbls 7% KCL @ 7.7 bpm, Pumped 168.4 bbls 7% KCL to get to rate & find x-link, Pumped 129 bbls 7% KCL 0-5# sand (Ramped), Pumped 86.6 bbls 7% KCL 5-6# sand (Ramp), Pumped 41.1 bbls 7% KCL 6# sand (Hold), Pumped 12 bbls 15% HCL, Pumped 102.2 bbls 7% KCL slick water flush, Max press 3052 psi, Avg press 2702 psi, Max rate 26.7 bpm, Avg rate 24.6 bpm, Pumped 40,130# sand in formation, Pumped ttl of 539 bbls - (Stg #4) RU Perforators wireline, Press test lube to 4,000 psi, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf) & WFT 5 1/2" 6K CFTP, Set plug @ 4214', Perforate GB-4 formation @ 4136'-38' & 4126'-28" (12 holes), POOH & RD wireline, SWI - (Stg #4)(17# Delta 140), Press test lines to 4800 psi, Open well w/ 1552 psi, Break down GB-4 formation @ 1997 psi w/ 8.5 bbls 7% KCL @ 4 bpm, Pumped 67.9 bbls 7% KCL to get to rate & find x-link, Pumped 118.3 bbls 7% KCL 0-5# sand (Ramped), Pumped 82.9 bbls 7% KCL 5-6# sand (Ramp), Pumped 54.6 bbls 7% KCL 6# sand (Hold), Pumped 98.3 bbls 7% KCL slick water flush, Max press 2826 psi, Avg press 2550 psi, Max rate 26.4 bpm, Avg rate 25.6 bpm, Pumped 37,770# sand in formation, Pumped ttl of 422 bbls - Open well to pit @ approx. 3 bpm, Recover 650 bbls & turned to trace of oil & gas, Well still flowing @ approx 3 bpm @ 250 psi, Pumped ttl of 1978 bbls, 1328 bbls left to recover, SWI - RU Perforators wireline, MU & RIH w/ WFT 5 1/2" 6K CFTP, Set plug @ 4050', POOH & RD wireline, Bleed off well to pit & monitor flow for 30-min, Well dead, SWI - (Stg #3) RU Perforators wireline, Press test lube to 4,000 psi, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf) & WFT 5 1/2" 6K CFTP, Set plug @ 4914', Perforate C-Sand formation @ 4846'-50" (12 holes), POOH & RD wireline, SWI - (Stg #2) RU Perforators wireline, Press test lube to 4,000 psi, MU & RIH w/ 3 1/8" disposable slick guns (16g, 0.34 EH, 21.00 pen, 3 spf) & WFT 5 1/2" 6K CFTP, Set plug @ 5200', Perforate A-1 formation @ 5122'-24' & 5114'-16' (12 holes), POOH & RD wireline, SWI - (Stg #1)(17# Delta 140), Press test lines to 4800 psi, Open well w/ 27 psi, Break down CP-Half formation @ 3716 psi w/ 5 bbls 7% KCL @ 6.9 bpm, (ISIP 2045 psi , F.G..82 , 1-min 1799 psi, 4-min 1649 psi), Pumped 6 bbls 15% HCL, Pumped 39.2 bbls 7% KCL to get to rate & find x-link, Pumped 176 bbls 7% KCL 0-5# sand (Ramped), Pumped 122 bbls 7% KCL 5-6# sand (Ramp), Pumped 56 bbls 7% KCL 6# sand (Hold), Pumped 12 bbls 15% HCL, Pumped 124 bbls 7% KCL slick water flush, Max press 3599 psi, Avg press 2813 psi, Max rate 28.3 bpm, Avg rate

24.4 bpm, Pumped 56,130# sand in formation, Pumped ttl of 554 bbls - RU HES frac equip, Hold pre-job safety meeting. (RU HES on 8/16/13 had no KCL on loc had shut down for day to get KCL hauled in) - (Stg #2)(17# Delta 140), Press test lines to 4800 psi, Open well w/ 1583 psi, Break down A-1 formation @ 1960 psi w/ 2.5 bbls 7% KCL @ 5.5 bpm, Pumped 45 bbls 7% KCL to get to rate & find x-link, Pumped 127.4 bbls 7% KCL 0-5# sand (Ramped), Pumped 86.6 bbls 7% KCL 5-6# sand (Ramp), Pumped 39.1 bbls 7% KCL 6# sand (Hold), Pumped 12 bbls 15% HCL, Pumped 117.8 bbls 7% KCL slick water flush, Max press 2967 psi, Avg press 2637 psi, Max rate 26.2 bpm, Avg rate 24.9 bpm, Pumped 40,120# sand in formation, Pumped ttl of 443 bbls

Daily Cost: \$0

Cumulative Cost: \$101,320

8/20/2013 Day: 3

Completion

Nabors #1406 on 8/20/2013 - MIRUSU, ND frac valve, NU Drill out BOPs, RU S&S & test BOPs, Tally & PU tbgs, Tag kill plug, SWI - MU 4 3/4" MILL, X-O, 1 JNT, SN, PU 127 MORE JNTS TAGGING KILL PLUG @ 4050' - CREW TRAVEL, JSA, JSP, START EQUIPMENT - HANG HORSE HEAD, RD, RACK OUT PUMP OFF THE W-12-9 -15 - MOVE RIG AND EQUIPMENT TO THE W-5-9-17 - ND FRAC VALVE, NU BOP, RU S&S TESTERS - SIRU/ RU WORKFLOOR, RU TBG EQUIPMENT, PREP AND TALLEY 198 JNTS 2 7/8" J-55 TBG, TALLEY 198 JNTS 2 7/8" J-55 TBG, WAIT FOR TESTER TO FINISH TESTS - STRIP ON WASHINGTON RUBBER, SI POWER SWIVEL, SWIFN, SDFN - Travel time

Daily Cost: \$0

Cumulative Cost: \$115,340

8/21/2013 Day: 4

Completion

Nabors #1406 on 8/21/2013 - RU power swivel, Break circulation & catch press approx 1500 psi & pumped 1-jt tbgs out of hole (Bridged off around mill), LD bad jt tbgs, RU swivel & drill out plugs, Clean out to PBTD, TOO H w/ tbgs, TIH w/ production tbgs. - CREW TRAVEL, JSA, JSP, START EQUIPMENT - DRILL OUT KILL PLUG (20 MIN) 700 PSI UNDER KILL PLUG, SWIVEL DWN5 JNTS TAGGING PLUG #1 @ 4214 JNT 133 SWIVEL DWN5 JNTS TAGGING PLUG #1 @ 4214 JNT 133, NO FILL DRILL OUT PLUG, NO ADDITIONAL PRESSURE, HANG SWIVEL BACK, PU 22 JNTS TAGGING #2, SWIVEL UP DRILL OUT 20 MIN, NO ADDITIONAL PRESSURE, SWIVEL IN 9 JNTS, 6 FT OF FILL ON PLUG @ 5200' JNT 164, DRILL OUT PLUG IN 20 MIN, HANG SWIVEL BACK, PU 22 JNTS TAGGING 150 FT OF FILL ON PBTD @ 6070, CLEAN OUT FILL - RU POWER SWIVEL, TRY TO BREAK CIRCULATION & CATCH PRESS ON TBG, PRESS HIT APPROX 1500 PSI & PUMP 1JNT OUT OF HOLE, (APPEARS MILL WAS SETTING IN SAND CAUSING SAND BRIDGE AROUND MILL) - RD SWIVEL & LD 2 BENT JTS, RU PUMP & BREAK CIRCULATION (TOOK 5 BBLs TO GET RETURNS), PU 2 MORE JNTS & RU POWER SWIVEL, - RIH W/ 2 7/8" NC, 2- JTS 2 7/8" j-55 TBG, 2 7/8" SN, 1- JNT 2 7/8" J-55 TBG, 5 1/2" TAC, 175 MORE JNTS, SWIFN, SDFN - LD 20 TOTAL JNTS ON GROUND, POOH W/ 178 JNTS BIT/SUB - CIRCULATE HOLE CLEAN 140 BBLs

Daily Cost: \$0

Cumulative Cost: \$123,369

8/22/2013 Day: 5

Completion

Nabors #1406 on 8/22/2013 - Set TAC, ND BOPs, NU wellhead, X-over to rod equip, PU Pump & rods, PWOP - ND BOP, ND BLIND RAM, REMOVE 4 FT SUB FROM WELL, LAND TBG, NU WELLHEAD, KB 13FT, 175 JNTS, TAC @ 5560.22, 1 JNT, SN @ 5593.67, 2 JNTS, NC, EOT @ 5658.76 - X-O ROD EQUIPMENT, SPOT IN ROD TRAILER - PU AND PRIME NEW CENTRAL PUMP# NF 2538 (2.5 X 1.75 X 24' X RHAC), PU 30 8PER 7/8" RODS, 118 3/4" 4PERS, AND

73 7/8" 4PERS, SPACE OUT W/ 8', 4', 6', AND 2' PONIES, PU 1 1/2" POLISH ROD - TRY TO
ROLL UNIT BELT SLIPPING, BRIDAL HEAD, HANG HEAD NU UNIT, STROKE UP TO 800 PSI,
GOOD - RIG / EQUIPMENT DOWN - TBG 400 PSI, CSG 500 PSI, OPEN UP CSG, ROLL HOLE
140 BBLS - CREW TRAVEL, JSA, JSP, START EQUIPMENT - MOVE RIG AND EQUIPMENT TO
THE ASHLEY FIELD, SDFN - TRAVEL TIME

Daily Cost: \$0

Cumulative Cost: \$223,047

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